



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer-readable form:

Application Serial Number: 09/509,165
Source: 1600 RUSH
Date Processed by STIC: 1/9/2002

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2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER
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1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>>, EFS Submission User Manual - ePAVE)
2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
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2011 South Clark Place, Arlington, VA 22202
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Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

1600

RAW SEQUENCE LISTING

DATE: 01/09/2002

PATENT APPLICATION: US/09/509,165

TIME: 16:02:10

Input Set : A:\34810PCT.seq.txt

Output Set: N:\CRF3\01082002\I509165.raw

4 <110> APPLICANT: ICOS Corporation, et al.
 6 <120> TITLE OF INVENTION: MACROPHAGE DERIVED CHEMOKINE (MDC), MDC ANALOGS, MDC
 7 INHIBITOR SUBSTANCES, AND USES THEREOF
 9 <130> FILE REFERENCE: 27866/34810PCT
 11 <140> CURRENT APPLICATION NUMBER: US/09/509,165
 12 <141> CURRENT FILING DATE: 1998-09-28
 14 <150> PRIOR APPLICATION NUMBER: 09/067,447
 15 <151> PRIOR FILING DATE: 1998-04-28
 17 <150> PRIOR APPLICATION NUMBER: 08/939,107
 18 <151> PRIOR FILING DATE: 1997-09-26
 20 <150> PRIOR APPLICATION NUMBER: 08/660,542
 21 <151> PRIOR FILING DATE: 1996-06-07
 23 <150> PRIOR APPLICATION NUMBER: 08/558,658
 24 <151> PRIOR FILING DATE: 1995-11-16
 26 <150> PRIOR APPLICATION NUMBER: 08/479,620
 27 <151> PRIOR FILING DATE: 1995-06-07
 29 <160> NUMBER OF SEQ ID NOS: 46
 31 <170> SOFTWARE: PatentIn Ver. 2.0

Does Not Comply
 Corrected Diskette Needed

ERRORED SEQUENCES

397 <210> SEQ ID NO: 19
 398 <211> LENGTH: 99
 399 <212> TYPE: PRT
 400 <213> ORGANISM: Homo *Sapiens* (spapiens) - Hu MCP-1
 401 <400> SEQUENCE: 19
 402 Met Lys Val Ser Ala Ala Leu Leu Cys Leu Leu Leu Ile Ala Ala Thr
 403 -20 -15 -10
 405 Phe Ile Pro Gln Gly Leu Ala Gln Pro Asp Ala Ile Asn Ala Pro Val
 406 -5 1 5
 408 Thr Cys Cys Tyr Asn Phe Thr Asn Arg Lys Ile Ser Val Gln Arg Leu
 409 10 15 20 25
 411 Ala Ser Tyr Arg Arg Ile Thr Ser Ser Lys Cys Pro Lys Glu Ala Val
 412 30 35 40
 414 Ile Phe Lys Thr Ile Val Ala Lys Glu Ile Cys Ala Asp Pro Lys Gln
 E--> 415 45 50 55
 418 Lys Trp Val Gln Asp Ser Met Asp His Leu Asp Lys Gln Thr Gln Thr
 419 60 65 70
 421 Pro Lys Thr
 422 75
 474 <210> SEQ ID NO: 22
 475 <211> LENGTH: 91
 476 <212> TYPE: PRT
 477 <213> ORGANISM: Homo sapiens - MIP-1 beta
 479 <220> FEATURE:
 480 <400> SEQUENCE: 22

80 delete

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481 Met Lys Leu Cys Val Thr Val Leu Ser Leu Leu Met Leu Val Ala Ala
 482 -20 -15 -10
 484 Phe Cys Ser Pro Ala Leu Ser Ala Pro Met Gly Ser Asp Pro Pro Thr
 E--> 485 ~~delete 1~~ ~~(15)~~ -5 (change to -5) 1 5
 487 Ala Cys Cys Phe Ser Tyr Thr Arg Glu Ala Ser Ser Asn Phe Val Val
 E--> 488 10 15 20 25 ← insert
 490 Asp Tyr Tyr Glu Thr Ser Ser Leu Cys Ser Gln Pro Ala Val Val Phe
 491 30 35 40
 493 Gln Thr Lys Arg Ser Lys Gln Val Cys Ala Asp Pro Ser Glu Ser Trp
 494 45 50 55
 496 Val Gln Glu Tyr Val Tyr Asp Leu Glu Leu Asn
 497 60 65
 500 <210> SEQ ID NO: 23
 501 <211> LENGTH: 92
 502 <212> TYPE: PRT
 503 <213> ORGANISM: Homo sapiens - MIP-1 alpha
 505 <220> FEATURE:
 W 506 <400> SEQUENCE: 23
 508 Met Gln Val Ser Thr Ala Ala Leu Ala Val Leu Leu Cys Thr Met Ala
 509 -20 -15 -10
 511 Leu Cys Asn Gln Phe Ser Ala Ser Leu Ala Ala Asp Thr Pro Thr Ala
 512 -5 1 5 10
 514 Cys Cys Phe Ser Tyr Thr Ser Arg Gln Ile Pro Gln Asn Phe Ile Ala
 E--> 515 15 20 25
 516 Asp Tyr Phe Glu Thr Ser Ser Gln Cys Ser Lys Pro Gly Val Ile Phe
 517 30 35 40
 519 Leu Thr Lys Arg Ser Arg Gln Val Cys Ala Asp Pro Ser Glu Glu Trp
 520 45 50 55
 522 Val Gln Lys Tyr Val Ser Asp Leu Glu Leu Ser Ala
 523 60 65 70
 526 <210> SEQ ID NO: 24
 527 <211> LENGTH: 96
 528 <212> TYPE: PRT
 529 <213> ORGANISM: Homo sapiens - I-309
 531 <220> FEATURE:
 W 532 <400> SEQUENCE: 24
 533 Met Gln Ile Ile Thr Thr Ala Leu Val Cys Leu Leu Leu Ala Gly Met
 E--> 534 -20 -15 -15 -10 -10
 536 Trp Pro Glu Asp Val Asp Ser Lys Ser Met Gln Val Pro Phe Ser Arg
 E--> 537 -5 -5 1 1 5 5 10
 539 Cys Cys Phe Ser Phe Ala Glu Gln Glu Ile Pro Leu Arg Ala Ile Leu
 540 10 15 15 20 20 25 25
 542 Cys Tyr Arg Asn Thr Ser Ser Ile Cys Ser Asn Glu Gly Leu Ile Phe
 543 30 30 35 35 40 40
 545 Lys Leu Lys Arg Gly Lys Glu Ala Cys Ala Leu Asp Thr Val Gly Trp
 546 45 45 50 50 55 55
 548 Val Gln Arg His Arg Lys Met Leu Arg His Cys Pro Ser Lys Arg Lys
 549 60 60 65 65 70 70
 1114 <210> SEQ ID NO: 38

see p.3

fix numbering

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1115 <211> LENGTH: 81
1116 <212> TYPE: PRT
1117 <213> ORGANISM: rat
1119 <400> SEQUENCE: 38
1120 Leu Val Leu Leu Ala Val Ala Leu Gln Thr Ser Asp Ala Gly Pro Tyr
1121          -10          -5          -1  1
1123 Gly Ala Asn Val Glu Asp Ser Ile Cys Cys Gln Asp Tyr Ile Arg His
1124      5          10          15
1126 Pro Leu Pro Pro Arg Phe Val Lys Glu Phe Tyr Trp Thr Ser Lys Ser
1127  20          25          30          35
1129 Cys Arg Lys Pro Gly Val Val Leu Ile Thr Ile Lys Asn Arg Asp Ile
1130          40          45          50
E--> 1132 Cys Ala Asp Pro Xaa Met Leu Trp Val Lys Lys Ile Leu His Lys Leu
1133          55          60          65
1135 Ala

```

see item 9 on Error Summary Sheet

Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

FWI

see pp 4-7 for more errors

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/509,165

DATE: 01/09/2002

TIME: 16:02:11

Input Set : A:\34810PCT.seq.txt

Output Set: N:\CRF3\01082002\I509165.raw

L:11 M:270 C: Current Application Number differs, Replaced Application Number
 L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
 L:375 M:283 W: Missing Blank Line separator, <400> field identifier
 L:401 M:283 W: Missing Blank Line separator, <400> field identifier
 L:415 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:19
 L:431 M:283 W: Missing Blank Line separator, <400> field identifier
 L:454 M:283 W: Missing Blank Line separator, <400> field identifier
 L:480 M:283 W: Missing Blank Line separator, <400> field identifier
 L:485 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:22
 M:332 Repeated in SeqNo=22
 L:506 M:283 W: Missing Blank Line separator, <400> field identifier
 L:515 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:23
 L:532 M:283 W: Missing Blank Line separator, <400> field identifier
 L:534 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:24
 M:332 Repeated in SeqNo=24
 L:603 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:25
 L:603 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:25
 L:603 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
 L:606 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:25
 L:606 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:25
 L:606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
 L:609 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:25
 L:609 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:25
 L:609 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
 L:612 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:25
 L:612 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:25
 L:612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
 L:668 M:283 W: Missing Blank Line separator, <220> field identifier
 L:670 M:283 W: Missing Blank Line separator, <400> field identifier
 L:691 M:283 W: Missing Blank Line separator, <220> field identifier
 L:715 M:283 W: Missing Blank Line separator, <220> field identifier
 L:1082 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:37
 L:1082 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
 L:1083 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:37
 L:1083 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
 L:1105 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:37
 L:1105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
 L:1107 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:37
 L:1107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
 L:1109 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:37
 L:1109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
 L:1111 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:37
 L:1111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
 L:1132 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:38
 L:1153 M:283 W: Missing Blank Line separator, <400> field identifier
 L:1201 M:283 W: Missing Blank Line separator, <400> field identifier
 L:1236 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:41
 L:1240 M:283 W: Missing Blank Line separator, <220> field identifier

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Input Set : A:\34810PCT.seq.txt

Output Set: N:\CRF3\01082002\I509165.raw

L:1246 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:41

L:1246 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:41

L:1246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41